

IN THE CLAIMS:

1. (currently amended) An oil injecting apparatus comprising:

a bearing seating {30} having a bearing seating surface formed on a front surface thereof and an oil injection through-passage {31} extending through the bearing ~~stand~~ {30} seating from the front surface to a back surface thereof:

a cover member {32} having an injection tube pass-through hole {33} and a suction/exhaust through-passage {34};

an oil container {11} storing oil to a predetermined level and sealed with the cover member {32};

a suction/exhaust tube {18} having one end connected to the suction/exhaust through-passage {34} and the other end connected to a suction/exhaust device;

an injection tube {36} passing through the injection tube pass-through hole {33} of the cover member {32} such that the injection tube {36} is capable of vertical movement while maintaining airtightness, the injection tube {36} having a lower end projecting into the oil container {11} and an upper end secured to a lower end of the oil injection through-passage {31} of the bearing seating {30};

a distance changing device which changes a distance between the bearing seating {30} and the oil container {11} from an exhaust position in which ~~with~~ the lower end of the

injection tube ~~(36)~~ is positioned away from an oil level ~~into~~
to an injection position ~~with~~ in which the lower end of the
injection tube ~~(36)~~ is submerged into oil; and

bearing fixing means ~~(26)~~ abutting a one-sided-bag-
shaped fluid dynamic pressure bearing ~~(10)~~ into which oil is
to be injected, for fixing airtight the one-sided-bag-shaped
fluid dynamic pressure bearing ~~(10)~~ onto the bearing seating
~~(30)~~; i

wherein the one-sided-bag-shaped fluid dynamic
pressure bearing ~~(10)~~ is fixed onto the cover member ~~(32)~~ by
the bearing fixing means ~~(26)~~, an inside of the one-sided-bag-
shaped fluid dynamic pressure bearing ~~(10)~~ is brought into a
vacuum in the exhaust position by the suction/exhaust device,
and then in the injection position, the suction/exhaust tube
~~(18)~~ is released to an atmosphere to inject oil in the oil
container ~~(11)~~ into the one-sided-bag-shaped fluid dynamic
pressure bearing ~~(10)~~.

2 - 5. (canceled).

6. (new) An oil injecting apparatus according to
claim 1; wherein the distance changing device vertically moves
the bearing seating.

7. (new) An oil injecting apparatus according to
claim 1; wherein the distance changing device vertically moves
the oil container (11).

8. (new) An oil injecting apparatus according to claim 7; wherein the distance changing device includes a stepping motor.

9. (new) An oil injecting apparatus according to claim 6; wherein the distance changing device includes a stepping motor.

10. (new) An oil injecting apparatus according to claim 5; wherein the distance changing device includes a stepping motor.

11. (new) An oil injecting apparatus according to claim 7; wherein the distance changing device includes a hydraulic motor.

12. (new) An oil injecting apparatus according to claim 6; wherein the distance changing device includes a hydraulic motor.

13. (new) An oil injecting apparatus according to claim 5; wherein the distance changing device includes a hydraulic motor.